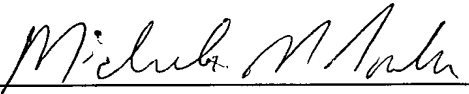


Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: December 11, 2001

By 

FOLEY & LARDNER
Washington Harbour
3000 K Street, N.W., Suite 500
Washington, D.C. 20007-5109
Telephone: (202) 672-5538
Facsimile: (202) 672-5399

Michele M. Simkin
Attorney for Applicant
Registration No. 34,717

09936572-121101

"Version of the Specification with Markings to Show Changes Made"

Page 22, please replace the fourth paragraph with the following:

--The ribozymes are hammerhead (Riddell *et al.*, 1996) structures of the following general structure:

Helix I	Helix II	Helix III
5'-NNNNNNNN ~	CUGAUGAGGCCGAAAGGCCGAA	~ NNNNNNNNN ~
	(SEQ ID NO: 15)--	

Please replace the paragraph bridging pages 22-23 with the following:

--The cleavage sites, targeting *gag* and *pol*, with the essential GUX triplet (where X is any nucleotide base) are as follows:

GAG 1	5' UAGUAAGAAUGUAUAGCCCUAC (SEQ ID NO: 16)
GAG 2	5' AACCCAGAUUGUAAGACUAUUU (SEQ ID NO: 17)
GAG 3	5' UGUUUCAAUUGUGGCAAAGAAG (SEQ ID NO: 18)
GAG 4	5' AAAAAGGGCUGUUGGAAUGUG (SEQ ID NO: 19)
POL 1	5' ACGACCCCUUCGUCACAAUAAAG (SEQ ID NO: 20)
POL 2	5' GGAAUUGGAGGUUUUAUCAAAG (SEQ ID NO: 21)
POL 3	5' AUAUUUUUCAGUUCUUAGAU (SEQ ID NO: 22)
POL 4	5' UGGAUGAUUUGUAUGUAGGAUC (SEQ ID NO: 23)
POL 5	5' CUUUGGAUGGGUUAUGAACUCC (SEQ ID NO: 24)
POL 6	5' CAGCUGGACUGUCAAUGACAUA (SEQ ID NO: 25)
POL 7	5' AACUUUCUAUGUAGAUGGGGCA (SEQ ID NO: 26)
POL 8	5' AAGGCCGCCUGUUGGUGGGCAG (SEQ ID NO: 27)
POL 9	5' UAAGACAGCAGUACAAAUGGCA (SEQ ID NO: 28) —

Page 23, please replace the second full paragraph with the following:

--The HCMV/HIV-1 hybrid 3' LTR is created by recombinant PCR with three PCR primers (Figure 2). The first round of PCR is performed with RIB1 and RIB2 using pH4 (Kim *et al.*, 1998) as the template to amplify the HIV-1 HXB2 sequence 8900-9123. The second round of PCR makes the junction between the 4' end of the HIV-1 U3 and

the HCMV promoter by amplifying the hybrid 5' LTR from pH4. The PCR product from the first PCR reaction and RIB3 serves as the 5' primer and 3' primer respectively.

RIB1: 5' CAGCTGCTCGAGCAGCTGAAGCTTGCATGC 3' (SEQ ID NO: 29)

RIB2: 5' GTAAGTTATGTAACGGACGATATCTTGTCTTCTT 3' (SEQ ID NO: 30)

RIB3: 5' CGCATAGTCGACGGGCCCCGCCACTGCTAGAGATTTTC 3' (SEQ ID NO: 31)--

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Please replace the paragraph bridging pages 27 and 28 with the following:

--Egs 1/1A (SEQ ID NO. 5)

(SEQ ID NO: 5) 5'-tcgagcccggggatgacgtcatcgacttcgaaggttcgaatccttctactgccaccattttt
cgggcccctactgcagtagctgaagctccaagcttaggaagatgacggttgtaaaaaa
ctctacgtcatcgacttcgaaggttcgaatccttcctgtccaccagtcgacc-3'
gagatgcagtagctgaagctccaagcttaggaagggacaggtggtcagctggagct-5' (SEQ ID NO: 32)

Egs 2/2A (SEQ ID NO. 6)

(SEQ ID NO. 6) 5'-tcgagtattacgtcatcgacttcgaaggttcgaatccttctagattcaccatttttaggaacg
cataatgcagtagctgaagctccaagcttaggaagtactaagtggtaaaaaatccttgc
tcatcgacttcgaaggttcgaatccttcagttccaccagtcgacc-3'
agtagctgaagctccaagcttaggaaggtcaaggtggtcagctggagct-5' (SEQ ID NO. 33)

Egs 3/3A (SEQ ID NO. 7)

(SEQ ID NO. 7) 5'-tcgaggccaacgtcatcgacttcgaaggttcgaatccttcttcccaccattttttcc
ccggttgcagtagctgaagctccaagcttaggaagagaaggggtgtaaaaaaagg
ctgaacgtcatcgacttcgaaggttcgaatccttctgctgtcaccagtcgacc-3'
gacttgcagtagctgaagctccaagcttaggaagacgacagtggcagctggagct-5' (SEQ ID NO. 34)

Egs 4/4 (SEQ ID NO. 8)

(SEQ ID NO. 8) 5'-tcgagggctacgtcatcgacttcgaaggttcgaatccttctgcttcaccattttt
cccgatgcagtagctgaatgctccaagcttaggaagaacgaagtggtaaaaaa
ctgaacgtcatcgacttcgaaggttcgaatccttctgctgtcaccagtcgacc-3'
gacttgcagtagctgaagctccaagcttaggaagacgacagtggcagctggagct-5' (SEQ ID NO. 35)

Egs 5/5A (SEQ ID NO. 9)

(SEQ ID NO. 8) 5'-tcgagtataacgcatcgacttcgaaggttcgaatccttcaccgggcaccattttttata
catattgcagtagctgaagcttccaagcttaggaagtggccagtggtataaaaaatat
acgtcatcgacttcgaaggttcgaatccttctttacaccagtcgacc-3'
tcagtagctgaagcttccaagcttaggaagaagaatgtggtcagctggagct-5' (SEQ ID NO. 36)

Egs 6/6A (SEQ ID NO. 10)

(SEQ ID NO. 10) 5'-tcgaggtagacgcatcgacttcgaaggttcgaatccttcgtagttcaccattttttgtgc
ccatgtgcagtagctgaagcttccaagcttaggaagcatcaagtggtaaaaaacacg
acgtcatcgacttcgaaggttcgaatccttctaggcccaccagtcgacgcatgcc-3'
tcagtagctgaagcttccaagcttaggaagatccgggtggtcagctgcgtacggagct-5' (SEQ ID NO. 37)—

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